



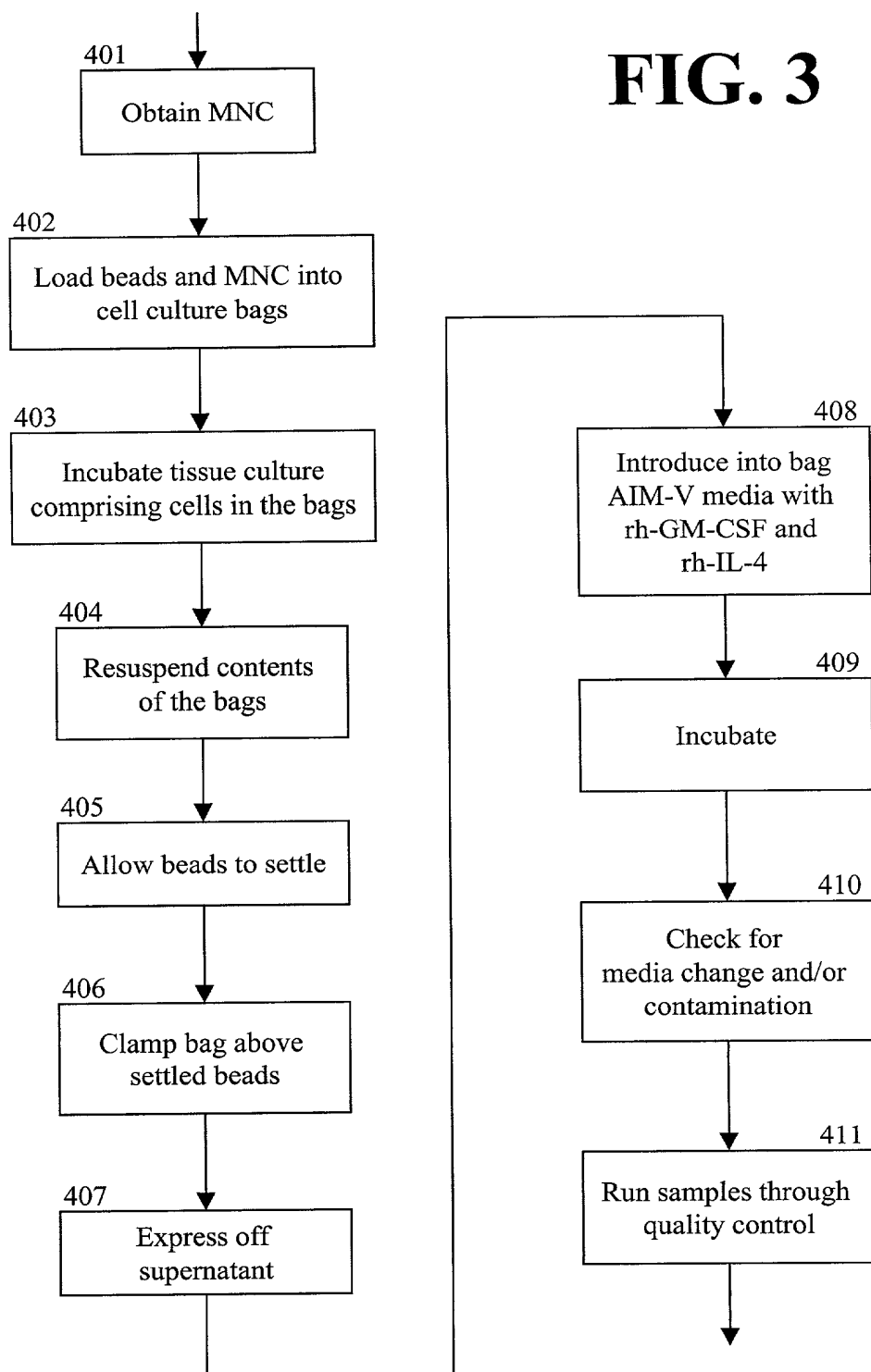
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graph TD; A[ ] --> B[Load microcarrier beads into cell culture container 21]; B --> C[Load MNC into the cell culture container containing beads 22]; C --> D[Incubate tissue culture comprising cells loaded in container 23]; D --> E[Separate nonadherent cells and cells adhered to the beads 24]; E --> F[ ]
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Flowchart illustrating the method for isolating adherent cells from a cell culture:

- Load microcarrier beads into cell culture container (21)
- Load MNC into the cell culture container containing beads (22)
- Incubate tissue culture comprising cells loaded in container (23)
- Separate nonadherent cells and cells adhered to the beads (24)

**FIG. 2**



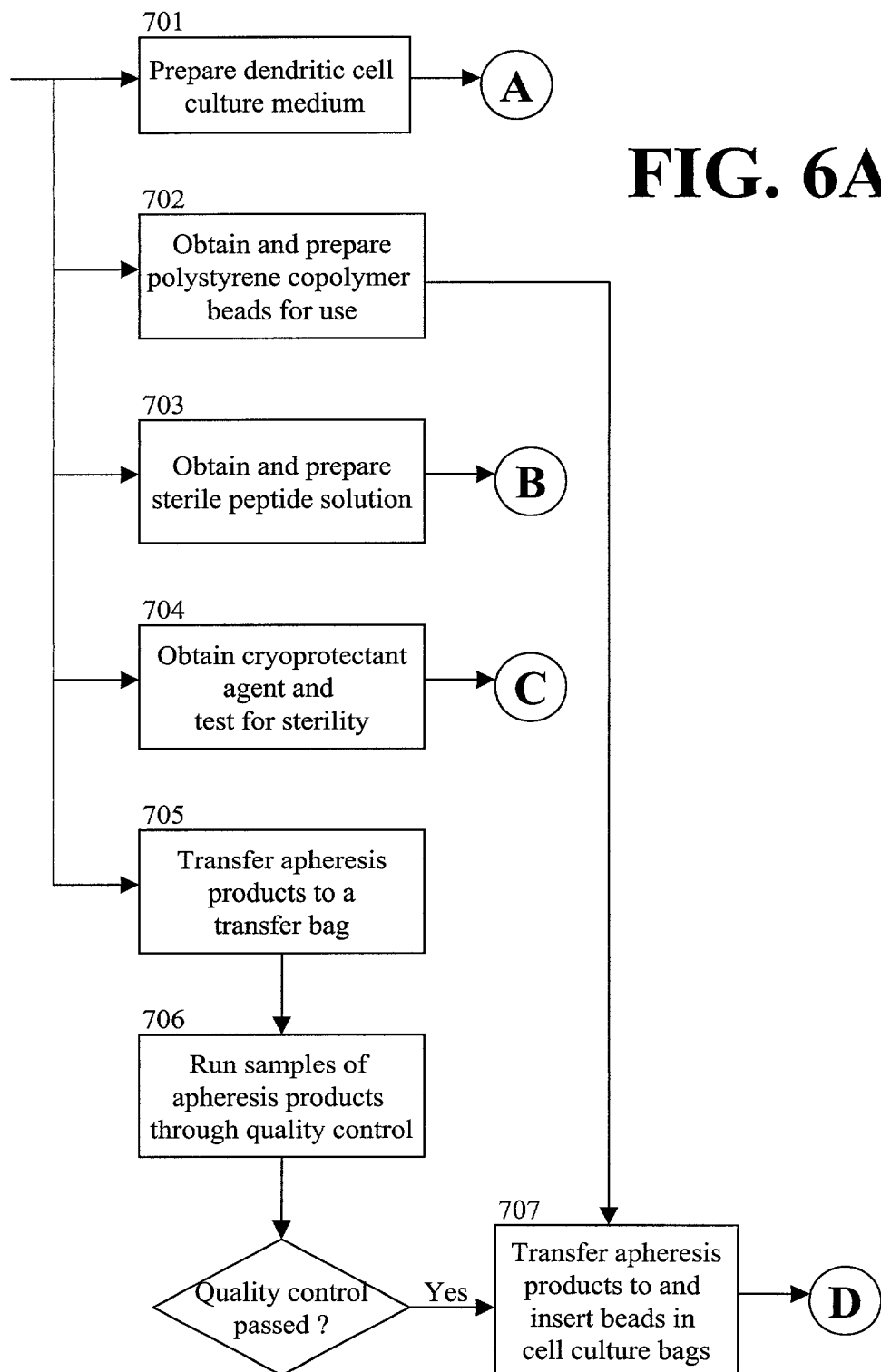
# FIG. 4

Culture system, cell input, no. of experiments	Total Cells Recovered (range)	Percent CD 83 + (range)	Total CD83 + Recovered (range)
Lifecell X-fold bags (180cm <sup>2</sup> ), 10 x 10 <sup>8</sup> , n = 9	1.2 – 5.7 x 10 <sup>7</sup>	25-67%	0.25 – 3.6 x10 <sup>7</sup>
Flasks (75cm <sup>2</sup> ), 10 x 10 <sup>8</sup> , n = 9	3-8 x 10 <sup>7</sup>	23-49 %	1.0 – 3.2 x 10 <sup>7</sup>
Lifecell X-fold bags (180cm <sup>2</sup> ) and 1 g plastic beads, 10 x 10 <sup>8</sup> , n = 5	13-59 x 10 <sup>7</sup>	18 – 70 %	5-38 x 10 <sup>7</sup>

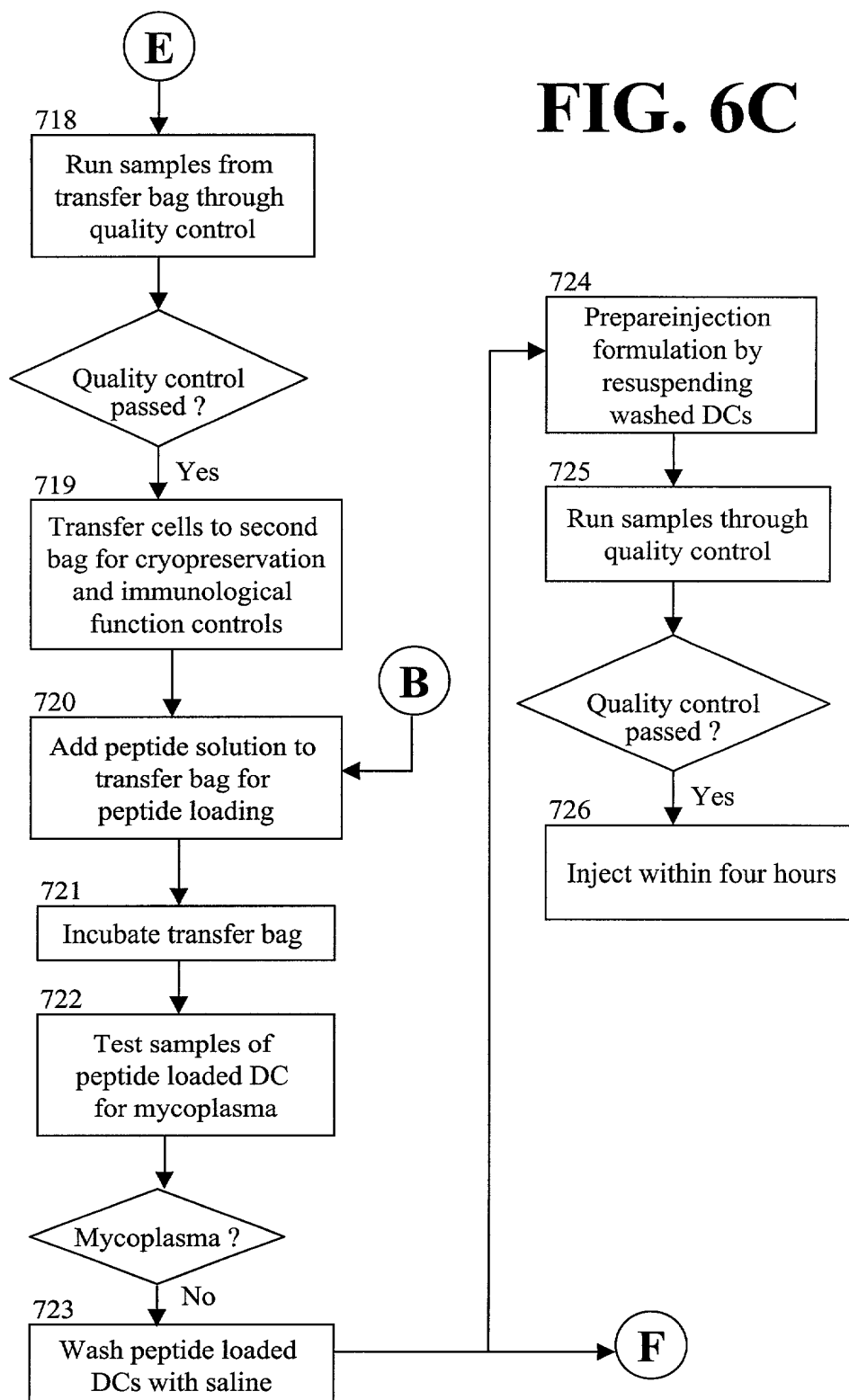
# FIG. 5

> 70 %	High Forward and Side scatter <sup>a</sup>
> 65%	CD 11c ++ <sup>b</sup>
> 55 %	CD 83 ++ <sup>c</sup>
> 50%	HLA-DR positive +++ <sup>d</sup>
> 50 %	CD 86 positive ++
> 30 %	CD 1a + <sup>e</sup>
> 10 %	CD 123 +
< 15%	CD 14 +
< 5%	CD 3 +
< 5%	CD 19 +

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- a. relative to lymphocytes.  
b. mean fluorescent channel in the second and third log.  
c. versus less than 5% positive in peripheral blood and product.  
d. mean fluorescent channel in the third and fourth log  
e. mean fluorescent channel in the first and second log.







**FIG. 6D**

